Pham 107086

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 107086 Report

This analysis was run 04/05/24 on database version 557.

Pham number 107086 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Dynamix_63
• Track 2 : Alexphander_82, Kimberlium_80
• Track 3 : GUmbie_76
• Track 4 : RockyHorror_83
• Track 5 : Demsculpinboyz_90, Fancypants_88

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 8, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alexphander_82, Demsculpinboyz_90, Dynamix_63, Fancypants_88, Kimberlium_80,

Genes that have the "Most Annotated" start but do not call it:
• GUmbie_76, RockyHorror_83,

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 3:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 16.7% of time when present
• Phage (with cluster) where this start called: RockyHorror_83 (F1),

Start 6:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 25.0% of time when present
• Phage (with cluster) where this start called: GUmbie_76 (F1),

Start 8:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Alexphander_82 (F1), Demsculpinboyz_90 (F2), Dynamix_63 (A1), Fancypants_88 (F1), Kimberlium_80 (F1),

Summary by clusters:

There are 3 clusters represented in this pham: A1, F1, F2,

Info for manual annotations of cluster A1:
•Start number 8 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster F1:
•Start number 3 was manually annotated 1 time for cluster F1.
•Start number 6 was manually annotated 1 time for cluster F1.
•Start number 8 was manually annotated 3 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 8 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: Alexphander_82 Start: 49609, Stop: 49785, Start Num: 8
Candidate Starts for Alexphander_82:
(2, 49531), (Start: 3 @49540 has 1 MA's), (4, 49555), (Start: 6 @49573 has 1 MA's), (Start: 8 @49609 has 5 MA's), (9, 49750),

Gene: Demsculpinboyz_90 Start: 47192, Stop: 47368, Start Num: 8
Candidate Starts for Demsculpinboyz_90:
(1, 47075), (Start: 3 @47105 has 1 MA's), (5, 47132), (7, 47168), (Start: 8 @47192 has 5 MA's), (9, 47333),

Gene: Dynamix_63 Start: 40378, Stop: 40202, Start Num: 8
Candidate Starts for Dynamix_63:
(Start: 8 @40378 has 5 MA's), (9, 40237),

Gene: Fancypants_88 Start: 51134, Stop: 51310, Start Num: 8
Candidate Starts for Fancypants_88:
(1, 51017), (Start: 3 @51047 has 1 MA's), (5, 51074), (7, 51110), (Start: 8 @51134 has 5 MA's), (9, 51275),

Gene: GUmbie_76 Start: 48332, Stop: 48544, Start Num: 6
Candidate Starts for GUmbie_76:
(2, 48290), (Start: 3 @48299 has 1 MA's), (4, 48314), (Start: 6 @48332 has 1 MA's), (Start: 8 @48368 has 5 MA's), (9, 48509),

Gene: Kimberlium_80 Start: 48016, Stop: 48192, Start Num: 8

Candidate Starts for Kimberlium_80:
(2, 47938), (Start: 3 @47947 has 1 MA's), (4, 47962), (Start: 6 @47980 has 1 MA's), (Start: 8 @48016 has 5 MA's), (9, 48157),

Gene: RockyHorror_83 Start: 48309, Stop: 48554, Start Num: 3
Candidate Starts for RockyHorror_83:
(2, 48300), (Start: 3 @48309 has 1 MA's), (4, 48324), (Start: 6 @48342 has 1 MA's), (Start: 8 @48378 has 5 MA's), (9, 48519),